

Title (en)
ENHANCED THICKNESS FABRIC AND METHOD OF MAKING SAME

Title (de)
TEXTILSTOFF MIT VERBESSERTER DICKE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TISSU A EPAISSEUR RENFORCEE ET PROCEDE DE PRODUCTION ASSOCIE

Publication
EP 1697130 A4 20110817 (EN)

Application
EP 04812966 A 20041206

Priority
• US 2004040555 W 20041206
• US 74208703 A 20031219

Abstract (en)
[origin: US2005136758A1] The present invention provides thickened fabrics and reinforcements for use as a spacer or reinforcement for a matrix system. The fabric includes in a first embodiment a woven fabric comprising weft and warp yarns containing glass fibers. A portion of the weft yarns are undulated, resulting in an increased thickness for the fabric. The fabric is coated with a polymeric resin or bonding agent, for substantially binding the weft yarns in the undulated condition. This invention also includes methods for making such fabric by increasing the thickness of a woven or non-woven material by such methods as applying tension during weaving operations, or using unbalanced yarns.

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Citation (search report)
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• See references of WO 2005065942A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005136758 A1 20050623; **US 7786026 B2 20100831**; CA 2547725 A1 20050721; CA 2547725 C 20111108; EP 1697130 A1 20060906; EP 1697130 A4 20110817; EP 1697130 B1 20160302; JP 2007514878 A 20070607; JP 4287881 B2 20090701; US 2006014457 A1 20060119; US 2008017270 A1 20080124; US 2009291603 A1 20091126; US 2010000665 A1 20100107; US 2010108244 A1 20100506; US 7632763 B2 20091215; US 7699949 B2 20100420; US 7867350 B2 20110111; US 8187401 B2 20120529; WO 2005065942 A1 20050721

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